

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/034888 A3

- (51) International Patent Classification⁷: **A61B 5/00**
- (21) International Application Number:
PCT/US2003/033218
- (22) International Filing Date: 20 October 2003 (20.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/419,652 18 October 2002 (18.10.2002) US
- (71) Applicant and
(72) Inventor: ELLIS, Charles, N. [US/US]; 3929 Walden-
wood, Ann Arbor, MI 48105-3008 (US).
- (74) Agent: DOCHERTY, Pamela, A.; Calfee, Hatler & Gris-
wold LLP, 1400 McDonald Investment Center, 800 Supe-
rior Avenue, Cleveland, OH 44114 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

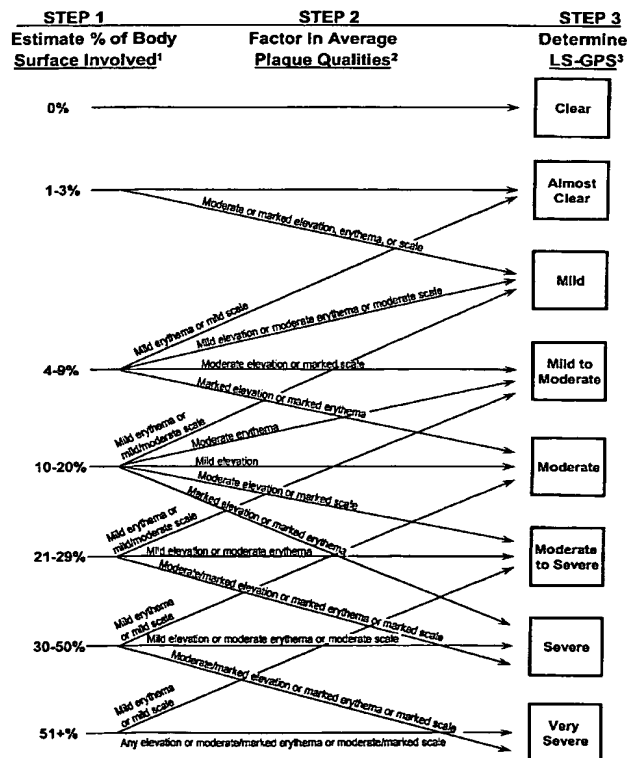
— of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: METHOD FOR RATING SEVERITY OF PSORIASIS

Lattice System Global Psoriasis Score (LS-GPS)

Clinical Research Version



When the individual plaque qualities are used in the lattice, the most severe score that results is the final LS-GPS.

(57) Abstract: Methods for rating the severity of psoriasis in a patient are provided. Such methods comprise assessing the percent of the patient's body surface exhibiting signs of psoriasis, assessing the overall elevation, erythema, and scale of the patient's psoriasis plaques, and classifying the severity of the patient's psoriasis into at least four classes based upon the percent of the patient's body surface exhibiting signs of psoriasis adjusted by the overall elevation, erythema and scale of the patient's psoriasis plaques. In the present methods the weight given to one or more of the overall qualities of elevation, erythema or scale of the patient's psoriasis plaques in classifying the severity of the patient's psoriasis into a higher class is greater than the weight given to other of the overall qualities. A computer readable medium and system for practicing the present methods are also provided.



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
23 September 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/33218

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 5/00
US CL : 600/300

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 600/300-301; 128/920, 925; 434/262, 267; 705/2-4

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
West 2.1

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,021,344 A (Lui et al.) 01 February 2000 (01.02.2000), See entire document.	1, 42, 43
A	US 6,159,445 A (Klaveness et al.) 12 December 2000 (12.12.2000), See entire document.	1, 42, 43
A	US 6,269,818 B1 (Lui et al.) 07 August 2001 (07.08.2001), See entire document.	1, 42, 43
A	US 6,436,127 B1 (Anderson et al.) 08 August 2002 (08.08.2000), See entire document.	1, 42, 43

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search

28 June 2004 (28.06.2004)

Date of mailing of the international search report

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Michael Astorino

Telephone No. (703) 306-5648